

Serial No.: 10/700,703
Group Art Unit 2831
Examiner: Jinhee J. Lee

In the Claims

1 (Currently amended). An electrical shield for an electronic equipment rack mountable to a backplane of the electronic equipment rack [mounted on a chassis], the electrical shield comprising:

a unitary body of moldable material, said body having a primary side and a secondary side, wherein a plurality of contoured channels are formed on and planar to said primary side for receiving electrical cables therein; and

an electrically conductive coating disposed at least on said secondary side, wherein said coating is operable in an electrically conductive relationship with the backplane [chassis] in which said body of moldable material is operable to be disposed.

2. (Canceled).

3 (Previously presented). The electrical shield of claim 1, wherein said secondary side comprises a substantially planar surface parallel to said contoured channels.

4-7 (Canceled).

8 (Original). The electrical shield of claim 3, wherein said body of moldable material comprises a structural plastic foam.

9 (Original). The electrical shield of claim 3, wherein said coating comprises a metallic coating layer.

10 (Previously presented). The electrical shield of claim 9, wherein said metallic coating comprises a copper layer.

11-33 (Canceled).

34 (New). The electrical shield of claim 1, wherein said secondary side comprises a substantially planar shield plane operably mountable in a parallel relationship with the backplane.

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35 (New). The electrical shield of claim 1, wherein said secondary side further comprises a plurality of openings associated with said plurality of channels and adapted for enabling termination of the electrical cables with termination devices associated with the backplane.

36 (New). An electrical shield system for attenuating electromagnetic interference from electrical cables associated with a telecommunications equipment backplane, comprising:

a body of moldable material adapted for coupling to the backplane;

said body having channels formed on one side thereof which are adapted to accommodate the electrical cables; and

a conductive coating disposed on another side of said body, said another side having a substantially planar surface which is oriented in a substantially parallel relationship with said one side, said conductive coating and said another side in combination to provide a shield plane in a parallel relationship with the backplane in which said body is adapted to be coupled thereto; and

said channels are further adapted to accommodate a length of the electrical cables in a plane substantially parallel to said another side.

37 (New). The electrical shield system of claim 36, wherein said body is a unitary body of moldable material.